

DERWENT-ACC-NO: 1980-20276C

DERWENT-WEEK: 198012

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TITLE: Aerobic mfr. of organic compost in
horizontal rotary drum - with mixt. of extruded sludge
and household waste in air current

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PATENT-ASSIGNEE: ARBED SA[ARBE]

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PATENT-FAMILY:

PUB-NO	PAGES	MAIN-IPC	PUB-DATE	LANGUAGE
BE 879840 A	000	N/A	March 3, 1980	N/A

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ABSTRACTED-PUB-NO: BE 879840A

BASIC-ABSTRACT:

In an installation for aerobic compositing of a mixt. of household waste and sludge from the treatment of waste water, the composting reaction takes place in a horizontal rotary drum.

The household waste is size reduced in a crushing mill and transferred to a drum feeding conveyor. Before the waste reaches the drum, 5-30 wt.% shreds of compressed sludge are dropped on to the waste from an extrusion press. The shreds are of 1-5mm dia. and of 5-20cm length. The waste and

sludge shreds are
mixed in the rotary drum which is supplied with air to
contact the mixt. The
temp. of mixt. in the drum is measured continuously and the
air supply to the
drum is regulated w.r.t. the temp.

Pref. the air supply is reduced if the temp. rises out of a
control range and
is increased if the temp. falls below the range.

The finely divided shreds produce a mixt. which can be
thoroughly aerated. The
required ratio of % C/% N can be readily obtd. in a compost
of suitable
moisture content.

TITLE-TERMS: AEROBIC MANUFACTURE ORGANIC COMPOST HORIZONTAL
ROTATING DRUM

MIXTURE EXTRUDE SLUDGE HOUSEHOLD WASTE AIR
CURRENT

DERWENT-CLASS: D16

CPI-CODES: D04-B11; D05-A03;